

What is claimed is:

1. A hydro bushing for radially supporting a motor, the hydro bushing comprising:

a sleeve-shaped outer body;

an inner support body spaced radially from said outer body;

5 a spring body having two legs and being disposed between said outer body and said support body;

a volume-changeable work chamber disposed between said legs of said spring body;

said volume-changeable work chamber being delimited to the 10 outside by said sleeve-shaped outer body;

at least one compensating chamber disposed laterally of said work chamber and having an elastic wall;

a transfer channel interconnecting said work chamber and said compensating chamber;

15 said chambers and said channel being filled with a low-viscous hydraulic fluid;

said work chamber having an effective cross-sectional area (A_1) and said spring body having a dynamic swell stiffness;

20 said transfer channel having a length (L) and a cross-sectional area (A_2); and,

said cross-sectional (A_1), said dynamic swell stiffness, said length (L) and said cross-sectional area (A_2) all being so selected that said hydro bushing has a natural or resonant frequency of approximately 130 Hz.

2. The hydro bushing of claim 1, wherein said compensating chamber is a first compensating chamber on one side of said work chamber and said hydro bushing further comprises a second

compensating chamber on the other side of said work chamber; and,
5 a connecting channel connecting said compensating channels to
each other.

3. The hydro bushing of claim 1, wherein the ratio of the
effective cross-sectional area (A_1) of said work chamber to the
cross-sectional area (A_2) of said transfer channel lies in a
range of 0.1 to 10.

4. The hydro bushing of claim 1, wherein the ratio ($A_1:A_2$) of
said cross-sectional areas (A_1 and A_2) is approximately 2.2.

5. The hydro bushing of claim 1, wherein the ratio of said
length (L) of said transfer channel to said cross-sectional
area (A_2) of said transfer channel lies in a range of 0.1 to 4.0.

6. The hydro bushing of claim 1, wherein the ratio of said
length (L) of said transfer channel to said area (A_2) of said
transfer channel is approximately 1.5.

7. The hydro bushing of claim 1, wherein said cross-sectional
area (A_1) of said work chamber includes a constriction.

8. The hydro bushing of claim 1, wherein the volume of said work
chamber and the volume of said transfer channel define a ratio
of 0.1 to 4.0.

9. The hydro bushing of claim 1, wherein the volume ratio of
said work chamber and said transfer channel is between 1.0
and 3.0.